

## **PATENT**

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Yung-Soo KIM et al.

Group Art Unit: 2631

Serial No.: 10/607,106

Docket: 785-54 (SI-18899-US)

Filed:

June 25, 2003

Dated: January 3, 2006

For:

METHOD AND APPARATUS FOR COMPENSATING FOR THE FREQUENCY OFFSET IN INTERLEAVED

FREQUENCY DIVISION MULTIPLE ACCESS

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

## **INFORMATION DISCLOSURE STATEMENT**

Sir:

Pursuant to Applicant's duty of disclosure, the information listed in the attached form PTO-1449 is brought to the attention of the Examiner. A copy of each reference is attached hereto.

The citation of the listed items is not a representation that they constitute a complete or exhaustive listing of the relevant art or that the references are prior art. The items listed are submitted in good faith, but are not intended to substitute for the Examiner's search. It is hoped, however, that in addition to apprising the Examiner of these particular items, they will assist in identifying fields of search and in making as full and complete a search as possible.

## **CERTIFICATE OF MAILING UNDER 37 C.F.R. §1.8(a)**

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail, postpaid in an envelope, addressed to the: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on January 3, 2006.

Dated: January 3, 2006

Paúl I. Farrell

The filing of this Information Disclosure Statement is not an admission that the information cited herein is, or is considered to be, material to patentability as defined in 37 C.F.R. § 1.56(b).

To the best of Applicant's knowledge, this Information Disclosure

Statement is being filed before the date of mailing of a first Office Action in connection with this case.

The claims of the application as now presented are believed to patentably distinguish over the prior art and to be in condition for allowance. Early and favorable consideration of the case is respectfully requested.

Respectfully submitted,

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Sheet 1 of 1

| Form PTO-1449                                 |  | U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE  |  |                     | ATTY. DOCKET NO.<br>785-54                  |                | SERIAL NO.<br>10/607,106              |                               |        |
|---|--|--|--|---------------------|---|----------------|---------------------------------------|-------------------------------|--------|
|   |  |  |  |                     | APPLICANT Yung-Soo KIM et al.               |                |                                       |                               |        |
| INFORMATION DISCLOSURE STATEMENT BY APPLICANT |  |  |  |                     | FILING DATE                                 | GROUP ART UNIT |                                       |                               |        |
| (Use several sheets if necessary)             |  |  |  |                     | June 25, 2003                               |                | 2631                                  |                               |        |
|   |  |  |  | U.S. P              | ATENT DOCUMENTS                             |                |                                       |                               |        |
| EXAMINER<br>INITIAL                           | _  | DOCUMENT NUMBER  |  | DATE                | NAME  | CLAS           | S SUBCLASS                            | FILING DATE<br>IF APPROPRIATE |        |
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| FOREIGN PATENT DOCUMENTS                      |  |  |  |                     |   |                |                                       |                               |        |
|   |  |  |  |                     |   |                |                                       | TRANS                         | LATION |
|   |  |  |  | 52                  |   | 02/10          |                                       | YES                           | NO     |
|   |  |  |  |                     |   | <del> </del>   | -                                     | TES                           | NO     |
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|   |  |  | OTHER PRIOR A  | ART (Including Auth | or, Title, Date, Perti                      | nent Pages,    | Etc.)                                 |                               |        |
|   |  | 1. SORGER et al., "Interleaved FDMA-A New Spread-Spectrum Multiple-Access Scheme", June 7, 1998.                           |  |                     |   |                |                                       |                               |        |
|   |  | 1. Solida et at., Interteaved form A new Spread-Spectrum Muttiple-Access Scheme", June 7, 1990.                            |  |                     |   |                |                                       |                               |        |
|   | 2. SCHNELL et al., "Application of IFDMA To Mobile Radio Trnasmission", October 5, 1998. |  |  |                     |   |                |                                       |                               |        |
|   |  | 3.   | SCHNELL et al., "A Promising New Wideband Multiple-Access Scheme For Future Mobile Communications Systems", July 1999. |                     |   |                |                                       |                               |        |
|   |  | 4. CAO et al., "Efficient Structure-Based Carrier Frequency Offset Estimation For Interleaved OFDMA Uplink", May 11, 2003. |  |                     |   |                |                                       |                               |        |
| EXAMINER                                      |  |  |  |                     | DATE CONSIDERED                             |                |                                       |                               |        |
|   |  |  |  |                     |   |                |                                       |                               |        |
| * EXAMINER citation                           | R: Initi   | al if<br>n con   | reference consi  | dered, whether or r | not citation is in conude copy of this form | formance wit   | h MPEP 609. Draw<br>mmunication to ap | line thro                     | ough   |
| (Form PTO-1449 [6-4])                         |  |  |  |                     |   |                |                                       |                               |        |